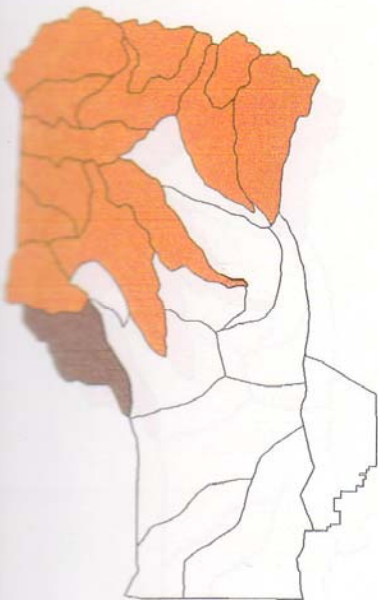


## Figure 14. Stand Condition 6th Level HUC's



**Status:** The current tree density (number of trees per acre) will determine each stand's condition. Stand density is also used as a surrogate for tree and stand vigor or growth; resistance to fire, insects and diseases and potential understory growth. A high condition is open growth with all strata growing relatively free of competition. A medium condition is indicated by moderate tree densities, inter-tree competition, and most stand strata still in a growing condition. A low condition is defined by high tree densities with a high potential for insects, diseases, and/or wildfire. Ladder fuels and stand stagnation may be prevalent.



**Risk:** The relative risk of an insect, disease or lethal fire outbreak due to high tree density or a buildup of ladder fuels and/or understory fuels. A high risk rating would be applied to stands having a high insect or disease hazard rating or a high probability of wildfire based on tree density and/or fuel accumulations. A medium risk is a moderate hazard rating or probability. A low risk rating is for stands having a low hazard rating or probability of an insect or disease outbreak or a wildfire because of tree density and/or fuel buildup.



**Opportunity:** This is the relative potential of implementing with either fire or silviculture to improve forest density. A high opportunity has a high potential to reverse the trend toward high density forests or low density aspen stands. A medium opportunity has a medium potential to reduce forest density, while a low opportunity has a low potential to reduce forest density. In the case of aspen, a low opportunity relates to a low potential to increase stand density.

### Medicine Lodge Subbasin Review Resource Characterization

